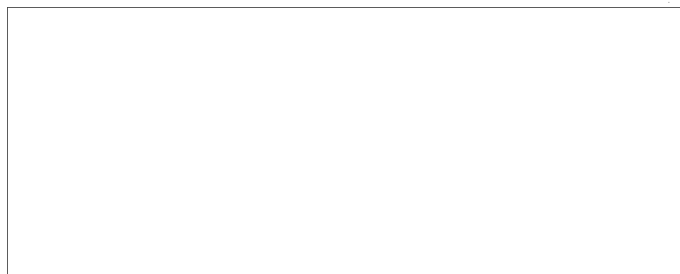


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~~S-E-C-R-E-T~~Research, Development and Production Review Board
Ideas and Requirements Panel

- I. Meeting #5 was held in the OC Conference Room at 1400 hours on 19 October 1955. The following persons were in attendance:



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- II. The following items were discussed:

1. A general discussion took place on the matter of short range communications equipment for the [] area. The Engineering representative indicated to the Board that during his recent visit to [] a series of requirements for these types of equipment plus shortwave converters for broadcast receivers were discussed with Chief, [] and requirements for these items would be placed on Headquarters.

2. The OC-O&T representative requested information as to what progress had been made in the field of unconventional power sources. Engineering representative reported that contact had been made with an organization designated by [] to produce solar battery materials. It is planned to obtain samples of these materials and technical data and evaluate them for agency use.

3. SPD representative asked if any further information had been obtained on the transistorized power converter on which TSS had been working. The Engineering representative stated that no information was available on this subject but that an investigation would be made.

4. The question was raised as to the feasibility of thermocouple type power supplies. It was pointed out that in previous studies the basic problem here was one of keeping one end of the thermocouple junction cold. Because of this fact it is still felt that this is not a feasible means of producing power.

5. The question was raised as to the utilization of a small steam generator. The Engineering representative pointed out that [] have such a device and if there is interest it is

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quite possible that we can obtain a unit for evaluation. No decision was made on this suggestion but the Chairman recalled that a study had been done on this subject in the past which indicated that the conversion efficiency of such a system was so low that little useful power could be obtained. The Chairman requested that this study be reviewed and the O&T representative requested that it be brought to the next Board meeting. OC-E will take action to comply with these requests.

6. The question was raised as to present status of the telephone dial keyers. Engineering representative reported that 8 of these units had been delivered to the O&T Division and the O&T representative stated that they plan to distribute these units to the various field stations for operational evaluation. The Chairman requested that special codes be prepared for use with these dial keyers and that they be forwarded with the keyers to the field to assist them in their operational evaluation.

III. The meeting adjourned at 1545 hours.

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**Distribution:**

RD&PRB Members and those in
attendance

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